

ABSTRACT

5 A NO_x storing catalyst (11) comprising a precious
metal catalyst (46) and NO_x absorbent (47) is arranged in
an exhaust passage. When the air-fuel ratio of the
exhaust gas is lean, the storing catalyst cold stores the
NO₂ contained in the exhaust in the absorbent when the
catalyst is inactive and hot stores the cold stored NO₂
in the absorbent when the catalyst is made active. The
10 NO₂ contained in the exhaust is cold stored in the
absorbent when the catalyst is not activated, and when a
predetermined NO_x storing catalyst restoring
condition (107) is met, a NO_x storing catalyst restoring
control (109, 115) including raising the NO_x storing
15 catalyst temperature to a predetermined temperature to
active it (109) is executed so as to restore the cold
storing capability of the NO_x absorbent.